|   | Index of Claims  |                              |           |          |                |         |                 |              |              |                              |         |                |          | Application No.    |               |                    |           |          |                |           |          |           |               | Applicant(s) |                   |              |         |              |             |              |              |           |           |     |  |
|---|------------------|------------------------------|-----------|----------|----------------|---------|-----------------|--------------|--------------|------------------------------|---------|----------------|----------|--------------------|---------------|--------------------|-----------|----------|----------------|-----------|----------|-----------|---------------|--------------|-------------------|--------------|---------|--------------|-------------|--------------|--------------|-----------|-----------|-----|--|
| ]   |                  |                              |           |          |                |         |                 |              |              |                              |         |                |          | 09/991,184         |               |                    |           |          |                |           |          |           |               |              | ZIMMERMANN ET AL. |              |         |              |             |              |              |           |           |     |  |
|   |                  |                              |           |          |                |         |                 |              |              |                              |         |                |          |                    | Examiner      |                    |           |          |                |           |          |           |               |              |                   | Art Unit     |         |              |             |              |              |           |           |     |  |
| 1   COM OND HAID ING IND HAID HAID HAID HAID HAID HAID HAID |                  |                              |           |          |                |         |                 |              |              |                              |         |                |          |                    |               | Peter G O'Sullivan |           |          |                |           |          |           |               |              |                   |              | 1621    |              |             |              |              |           |           |     |  |
| √ Rejected -  |                  |                              |           |          |                |         |                 |              | (            | (Through numera<br>Cancelled |         |                |          |                    |               | ıl) [              |           |          | Non-Ele        |           |          | ted       |               | A            | Appeal            |              |         |              |             |              |              |           |           |     |  |
| = Allowed   |                  |                              |           |          |                |         |                 | +            |              |                              | R       | Restricted     |          |                    |               |                    |           |          | I Interference |           |          |           | 0             | Objected     |                   |              |         |              |             |              |              |           |           |     |  |
| CI  | aim              | L                            | Date      |          |                |         |                 |              |              |                              |         | С              | Claim    |                    |               |                    | Date      |          |                | 9         |          |           | 1             | С            | laim              |              | Da      |              |             | ite          |              |           |           | 1   |  |
| =   | īg               | Γ.                           | ď         | 2        |                |         |                 | Τ            |              |                              | 7       | _              | ٦        |                    |               | Γ                  |           | Γ        | T              | T         | Τ        | Τ         | 1             | _            | Ē                 |              |         | Τ            | Τ           |              | T            | Г         |           |     |  |
| Final   | Original         |                              | 2 /       | 12/20    |                |         |                 |              |              |                              |         | Finat          | Original |                    |               |                    |           |          |                |           |          |           |               | Final        | Origina           |              |         |              |             |              |              |           |           |     |  |
|   | 1                |                              | 1         | 1        | $\perp$        | 1       | 1-              |              | 1            | 1                            |         |                | 51       | 1                  |               |                    |           |          | L              | L         | 1        | L         | 1             |              | 101               |              | 1       | $\perp$      | 1           | L            |              |           |           | ]   |  |
|   | 1                | ╁                            | +         | ╁        | +              | ╁       | +-              | ╁            | ╁            | ╁                            | -       | -              | 52<br>53 | -                  | ╁             | <del> </del>       | ╁         | ┝        | -              | -         | ╁        | ╁         | $\frac{1}{2}$ | -            | 102               | $\vdash$     |         | +-           | ╁           | ╀            | ╀            | $\vdash$  |           | ]   |  |
|   | 4                | L                            | 1         | $\perp$  | I              | 1       | Ϊ               | Ţ            | T            | I                            | 1       |                | 54       |                    |               |                    |           |          |                |           | I        |           | 1             |              | 104               |              | 1       |              |             |              |              |           |           | 1   |  |
|   | 4                | ╁                            | ╁         | ╁        | ╁              | ╁       | +               | ╁            | ╁            | +-                           | -       | }              | 55<br>56 | ╁                  | ╢             | -                  | ┝         | ┝        | ├              | ╁         | -        | ╁         | -             | <del> </del> | 105<br>106        | $\vdash$     | - -     | ╁            | ╀           | ╁            | -            | -         | _         |     |  |
|   | 1                |                              | Ī         | L        | T              | 上       |                 |              | T            |                              | _       |                | 57       | İ                  |               |                    |           |          |                | 上         |          |           |               |              | 107               |              | $\perp$ | +            | $\vdash$    | H            | <u> </u>     | H         |           |     |  |
|   | 8                | ╀                            | ╁         | +        | +              | ╁-      | +               | ╀            | +            | +                            | 4       | -              | 58<br>59 | ╀                  | -             | ļ.,                | <u> </u>  | _        | <u> </u>       | <u> </u>  | 1        | L         |               | Ĺ            | 108               |              |         | 1            |             | L            | L            |           |           | 1   |  |
|   | 10               | ╁                            | 十         | ╁        | +              | ╁       | ╁               | t            | +            | $\dagger$                    | 1       | <del>  -</del> | 60       |                    | <del> -</del> | -                  | -         | -        | -              | ⊢         | +        | -         | 1             |              | 109               | Н            | +       | ╁            | -           | $\vdash$     | ╁            | $\vdash$  |           | ĺ   |  |
|   | 11               | L                            |           | $\perp$  | L              | 1       | I               | L            | I            | I                            | ]       |                | 61       |                    |               |                    |           |          |                |           |          |           | 1             |              | 111               |              |         |              |             |              |              |           |           |     |  |
| · · · · · ·   | 1/2<br>1/3       | ╁                            | +-        | +-       | ╀              | ╁       | +               | ╀            | +            | ╀                            | ┥       | -              | 62<br>63 | -                  | $\vdash$      | -                  | -         |          | _              | -         | +        | ┼         | ł             | <u> </u>     | 112<br>113        |              | - -     | ┼-           | _           | -            | ╀            | H         |           | 1   |  |
|   | 1/4              |                              | 1         | -        | <del>  `</del> | †       | -               | $\vdash$     | †            | +                            | 1       |                | 64       | -                  | -             | -                  | $\vdash$  | $\vdash$ |                | ╁         | +        | -         | ł             |              | 114               | +            | +-      | +            | -           | ⊢            | $\vdash$     |           |           |     |  |
|   | 15               |                              | Ţ         | 1        | L              | L       | I               |              | L            |                              | ]       |                | 65       |                    |               |                    |           |          |                |           |          |           | 1             |              | 115               |              |         | I            |             |              | L.           |           |           | `   |  |
|   | 16               | ď                            | <u> -</u> | +        | -              | ╀       | +               | ╁            | ╁            | +-                           | 1       | -              | 66<br>67 | ├                  | _             |                    | -         |          | <u> </u>       | ļ         | ╀        | <u> </u>  | ł             | -            | 116<br>117        |              | _       | ╀            | -           | ļ            |              | -         |           |     |  |
|   | 18               | Ì                            | İ         | T        |                | T       |                 | t            | Ė            | İ                            | 1       |                | 68       |                    | -             |                    |           |          | -              | ┢         | ┢        | $\vdash$  | l             | <del> </del> | 118               |              | +       | ╁            | -           | <del> </del> | ┢            | Н         | $\dashv$  | İ   |  |
|   | 19               | $\prod$                      | -         |          | ļ.,            | $\perp$ | L               | L            | L            | L                            | ]       |                | 69       |                    |               |                    |           |          |                |           |          |           |               |              | 119               |              |         |              |             |              |              |           |           |     |  |
|   | 20<br>21         | W                            | ╁         | +        | ╁              | ╁       | ╁               | ├            | ╁            | -                            | $\cdot$ | -              | 70<br>71 | Н                  |               |                    |           |          | -              | -         | $\vdash$ |           | l             | ļ            | 120<br>121        | $\dashv$     | +-      | -            | -           | -            | <del> </del> | Н         | 4         | ļ   |  |
|   | 22               | _                            | E         |          |                |         |                 | T            |              | 上                            | 1       |                | 72       |                    |               |                    |           |          |                |           | $\vdash$ | 1         |               |              | 122               | $\dashv$     | +       | $\vdash$     |             | -            | ┢            | H         | _         |     |  |
|   | 28               | Ņ                            | _         | _        | <u> </u>       | _       | ļ               | _            | Ľ            | _                            |         |                | 73       |                    |               |                    |           |          |                |           |          |           |               |              | 123               |              |         |              |             |              |              |           |           |     |  |
|   | 24<br>25         | ╫                            | ╁╌        | ┢        | -              | ┢       | ╁╴              | -            | ╁            | ╁                            | ┨       | -              | 74<br>75 | $\vdash$           | $\dashv$      |                    | $\dashv$  |          |                |           | -        | Н         |               |              | 124<br>125        |              | +-      | $\vdash$     |             | _            | H            | Н         | 4         |     |  |
|   | 26               | 1                            |           |          |                |         |                 |              |              |                              | 1       |                | 76       |                    |               |                    |           |          |                |           |          |           |               |              | 126               | 1            |         | <del> </del> |             | _            |              | $\vdash$  |           |     |  |
|   | 2 <b>7</b><br>28 | Y                            | 2         | -        | -              | L       | -               | <del> </del> | <del> </del> | ┞                            |         | <u> </u>       | 77<br>78 | $\sqcup$           | _             | 4                  | $\dashv$  | _        |                |           | L        |           |               |              | 127               | 4            | $\perp$ |              |             |              |              | П         |           |     |  |
|   | 29               | 7                            | -         | -        | -              | ┢       | $\vdash$        |              | ┢            | ┝                            | 1       |                | 79       | H                  | $\dashv$      | _                  | -         |          | $\dashv$       | _         | ┝        | Н         |               |              | 128<br>129        | +            | ╁       | ├-           |             | -            | H            |           | $\dashv$  |     |  |
|   | 30<br>31         | Ш                            | Ŀ         |          |                |         |                 |              |              |                              | 1       |                | 80       |                    |               |                    |           |          |                |           |          |           |               |              | 130               | $\perp$      |         |              |             |              |              |           |           |     |  |
|   | 31<br>32         | $\parallel$                  | ├         | -        | ├-             |         | -               | _            | -            | <del> </del>                 | -       | -              | 81<br>82 | H                  |               | -                  | -         |          | -              |           |          | $\sqcup$  |               |              | 131<br>132        |              | +       | L            | Н           |              | Ш            | _         | -         |     |  |
|   | 3B               | W                            |           | 1        | -              | 一       | Г               | _            |              | H                            | 1       |                | 83       | H                  | Ħ             | 1                  | -         |          |                |           | ╁╴       | Н         | i             |              | 133               |              | ╁       | -            | -           |              | H            | -         | $\dashv$  |     |  |
|   | 34               | Ý                            | [2        |          | L              |         |                 |              |              |                              |         |                | 84       |                    |               |                    |           |          |                |           |          |           |               |              | 134               |              |         |              |             |              |              |           |           |     |  |
|   | 35.<br>36        | Ż                            | ┝         | ⊢        |                | -       |                 | ┝            | -            | -                            | ł       | -              | 85<br>86 | Н                  | $\dashv$      | -                  | $\dashv$  |          | -              |           | _        | Щ         |               |              | 135<br>136        | -            | -       | <u> </u>     |             |              | Ц            | 4         | 4         |     |  |
|   | 37               | İ                            |           |          |                |         |                 |              |              | ┢                            | 1       |                | 87       |                    | 7             | 7                  | +         | $\dashv$ | ᅦ              |           | $\vdash$ | Н         |               |              | 137               |              | ╁╴      |              |             |              | $\dashv$     | $\dashv$  | ᅱ         |     |  |
|   | 38<br>39         | 1                            | _         | _        |                | _       |                 |              |              | L                            |         |                | 88       |                    | $\Box$        | $\dashv$           | $\Box$    |          |                |           |          |           |               |              | 138               |              | 1       |              |             |              |              | コ         |           |     |  |
|   | 40               | +                            | -         | <u> </u> | $\vdash$       |         | Н               |              | Н            | $\vdash$                     | ł       |                | 89<br>90 | $\vdash$           | -             | -                  | +         | $\dashv$ | -              | _         | H        |           |               |              | 139<br>140        |              | +       |              |             |              |              | +         | 4         |     |  |
|   | 4                | 1                            |           |          |                |         |                 |              |              |                              | ]       |                | 91       |                    | _             | _†                 | $\exists$ | _        | 丁              | _         |          | $\dashv$  | ł             |              | 141               | +            | +       | H            | $\dashv$    | -            | $\dashv$     | +         | $\dashv$  | . , |  |
|   | 41<br>42<br>43   | Ŋ                            | -         |          | $\vdash$       |         |                 |              | Щ            | L                            | 1       |                | 92       | $\dashv$           | $\dashv$      | $\dashv$           | 4         | _        | $\Box$         | $\Box$    |          |           |               |              | 142               | $\downarrow$ | 1       |              | $\sqsupset$ |              |              | $\exists$ | コ         |     |  |
|   | 43               | $\stackrel{\bullet}{\nabla}$ | =         |          | H              | -       | Н               | -            | $\vdash$     | -                            |         |                | 93<br>94 | $\dashv$           | $\dashv$      |                    | $\dashv$  | -        | -              | $\dashv$  | Н        | $\dashv$  | ł             |              | 143<br>144        | +            | +       | Н            | $\dashv$    | -            | -            | $\dashv$  | $\dashv$  |     |  |
| 耳   | 45               | _                            |           |          |                |         |                 |              |              |                              |         |                | 95       | $\Box$             |               |                    | 士         |          | 士              |           | $\Box$   |           | 1             |              | 145               | $\pm$        | $\pm$   | H            |             |              |              | $\pm$     | $\exists$ |     |  |
| $\dashv$  | 46<br>47         | -                            | _         | Щ        | $\sqcup$       |         | $\vdash \vdash$ |              | $\vdash$     |                              |         | <u> </u>       | 96       | [                  | $\bot$        | $\bot$             | _[        | 4        | -[             | $\exists$ |          | $\Box$    | 1             |              | 146               | $\top$       | T       |              | $\supset$   |              | $\Box$       | $\Box$    | $\Box$    |     |  |
| $\dashv$  | 48               |                              |           | $\vdash$ | $\vdash$       |         | $\vdash$        |              | $\vdash$     |                              |         |                | 97<br>98 | $\dashv$           | $\dashv$      | +                  | +         | $\dashv$ | $\dashv$       | $\dashv$  | $\vdash$ | $\dashv$  | ł             |              | 147<br>148        | _            | +       | Н            | $\dashv$    |              |              | $\dashv$  | -         |     |  |
|   | 49               |                              |           |          |                |         |                 |              |              |                              |         |                | 99       |                    | 士             |                    |           | 士        | 士              |           |          | $\exists$ | ŀ             |              | 149               | _ -          | $\top$  |              | $\dashv$    | _            | 7            | +         | $\dashv$  |     |  |
|   | 50               |                              |           |          |                |         | Ш               |              | i            | ]                            |         |                | 100      | $oxed{\mathbb{I}}$ | T             | T                  | I         | T        | П              | 1         |          | ٦         | - [           |              | 150               | $\top$       | T       | $\Box$       |             |              | 7            | _         | $\exists$ |     |  |